

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Attorney Docket Number RA9-99-0110/4269-83	Serial No. 09/430,501
LIST OF DOCUMENTS CITED BY APPLICANT  (Use several sheets if necessary)		Applicant: Hwang, et al.	
		Filing Date : October 29, 1999	Group 2731



## U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
Plw	1	5,835,538	11/10/98	Townshend	375	295	
	2	5,831,561	11/3/98	Cai et al.	341	106	
	3	5,809,075	9/15/98	Townshend	375	254	
	4	5,801,695	9/1/98	Townshend	375	340	
	5	5,793,809	8/11/98	Holmquist	375	242	
	6	5,784,405	7/21/98	Betts et al.	375	222	
	7	5,778,024	7/7/98	McDonough	375	216	
	8	5,768,311	6/16/98	Betts et al.	375	222	
	9	5,761,247	6/2/98	Betts et al.	375	316	
	10	5,757,849	5/26/98	Gelblum et al.	375	222	
	11	5,754,594	5/19/98	Betts et al.	375	285	
	12	5,729,226	3/17/98	Betts et al.	341	94	
	13	5,598,401	1/28/97	Blackwell et al.	379	94	
	14	5,546,395	8/13/96	Sharma et al.	370	84	
	15	5,534,913	7/9/96	Majeti et al.	348	7	
	16	5,528,679	6/18/96	Taarud	379	34	
	17	5,528,625	6/18/96	Ayanoglu et al.	375	222	
	18	5,406,583	4/11/95	Dagdeviren	375	5	
	19	5,394,437	2/28/95	Ayanoglu et al.	375	222	
	20	5,394,110	2/28/95	Mizoguchi	329	304	
	21	5,291,479	3/1/94	Vaziri et al.	370	58.2	
	22	5,253,291	10/12/93	Naseer et al.	379	406	
	23	5,210,755	5/11/93	Nagler et al.	370	108	
	24	5,157,690	10/20/92	Buttle	375	14	
	25	5,134,611	7/28/92	Steinka et al.	370	79	
	26	5,119,403	6/2/92	Krishnan	375	39	
	27	5,119,401	6/2/92	Tsujimoto	375	14	
	28	5,067,125	11/19/91	Tsuchida	370	79	
	29	5,052,000	9/24/91	Wang et al.	371	43	
	30	5,040,190	8/13/91	Smith et al.	375	4	
	31	5,033,062	7/16/91	Morrow et al.	375	7	
	32	5,014,299	5/7/91	Klupt et al.	379	98	
	33	4,995,030	2/19/91	Helf	370	32.1	
	34	4,985,902	1/15/91	Gurcan	375	14	
	35	4,972,360	11/20/90	Cuckier et al.	364	724.04	
	36	4,901,333	2/13/90	Hodgkiss	375	98	
	37	4,890,303	12/26/89	Bader	375	107	
	38	4,884,285	11/28/89	Heynen et al.	375	25	
	39	4,868,863	9/19/89	Hartley et al.	379	98	
	40	4,797,898	1/10/89	Martinez	375	7	

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<i>Ph</i>	41	4,760,598	7/26/88	Ferrell	380	44
	42	4,720,861	1/19/88	Bertrand	381	36
	43	4,578,796	3/25/86	Charalambous et al.	375	8
	44	4,577,310	3/18/86	Korsky et al.	370	58
	45	4,450,556	5/22/84	Boleda et al.	370	58
	46	4,434,322	2/28/84	Ferrell	178	22.13
	47	4,270,027	5/26/81	Agrawal et al.	179	81R
	48	4,237,552	12/2/80	Aikoh et al.	370	83
	49	4,132,242	1/2/79	Carroll, Jr.	137	263
	50	4,112,427	9/5/78	Hofer et al.	340	347
	51	3,729,717	4/24/73	de Koe et al.	340	172.5
	52	3,683,120	8/8/72	Schenkel	179	15A
	53	3,557,308	1/19/71	Alexander et al.	178	69.5
	54	5,918,204	6/29/99	Tsurumaru	704	214
	55	5,914,982	6/22/99	Bjarnason et al.	375	222
	56	5,911,115	6/8/99	Nair et al.	455	63
	57	5,887,027	3/23/99	Cohen et al.	375	222
	58	5,881,102	3/9/99	Samson	375	222
	59	5,881,066	3/9/99	Lepitre	371	20.5
	60	5,872,817	2/16/99	Wei	375	341
	61	5,870,429	2/9/9	Moran, III et al.	375	222
	62	5,862,184	1/19/99	Goldstein et al.	375	295
	63	5,862,179	1/19/99	Goldstein et al.	375	242
	64	5,862,141	1/19/99	Trotter	370	468
	65	5,850,421	12/15/98	Misra et al.	375	354
	66	5,850,388	12/15/98	Anderson et al.	370	252
	67	5,844,940	12/1/98	Goodson et al.	375	222
	68	5,838,724	11/17/98	Cole et al.	375	222
	69	5,835,532	11/10/98	Stolle et al.	375	233
	70	5,825,823	10/20/98	Goldstein et al.	375	286
	71	5,825,816	10/20/98	Cole et al.	375	222
	72	5,822,371	10/13/98	Goldstein et al.	375	242
	73	5,815,534	9/29/98	Glass	375	326
	74	5,812,537	9/22/98	Betts et al.	370	286
	75	5,805,669	9/8/98	Bingel et al.	379	28
	76	5,784,415	7/21/98	Chevillat et al.	375	341
	77	5,757,865	5/26/98	Kaku et al.	375	344
	78	5,734,663	3/31/98	Eggenberger	371	39.1
	79	5,726,765	3/10/98	Yoshida et al.	358	412
	80	5,724,393	3/3/98	Dagdeviren	375	296
	81	5,710,792	1/20/98	Fukawa et al.	375	229
	82	5,694,420	12/2/97	Ohki et al.	375	222
	83	5,671,250	9/23/97	Bremer et al.	375	222
	84	5,646,958	7/8/97	Tsujimoto	375	233
	85	5,634,022	5/27/97	Crouse et al.	395	704
	86	5,625,643	4/29/97	Kaku et al.	375	222

**EXAMINER  
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2731**
*Ph*

87	5,566,211	10/15/96	Choi	375	332	
88	5,563,908	10/8/96	Kaku et al.	375	222	
89	5,533,048	7/2/96	Dolan	375	222	
90	5,519,703	5/21/96	Chauffour et al.	370	84	
91	5,513,216	4/30/96	Gadot et al.	375	233	
92	5,475,711	12/12/95	Betts et al.	375	240	
93	5,434,884	7/18/95	Rushing et al.	375	235	
94	5,432,794	7/11/95	Yaguchi	371	5.5	
95	5,418,842	5/23/95	Cooper	379	98	
96	5,402,445	3/28/95	Matsuura	375	229	
97	5,398,303	3/14/95	Tanaka	395	51	
98	5,386,438	1/31/95	England	375	121	
99	5,351,134	9/27/94	Yaguchi et al.	358	435	
100	5,285,474	2/8/94	Chow et al.	375	13	
101	5,265,151	11/23/93	Goldstein	379	97	
102	5,253,272	10/12/93	Jaeger et al.	375	60	
103	5,225,997	7/6/93	Lederer et al.	364	550	
104	5,142,552	8/25/92	Tzeng et al.	375	14	
105	5,111,481	5/5/92	Chen et al.	375	14	
106	5,107,520	4/21/92	Karam et al.	375	60	
107	5,065,410	11/21/91	Yoshida et al.	375	98	
108	5,007,047	4/9/91	Sridhar et al.	370	32.1	
109	5,005,144	4/2/91	Nakajima et al.	364	565	
110	4,991,169	2/5/91	Davis et al.	370	77	
111	4,953,210	8/28/90	McGlynn et al.	380	48	
112	4,943,980	7/24/90	Dobson et al.	375	42	
113	4,894,847	1/16/90	Tjahjadi et al.	375	121	
114	4,890,316	12/26/89	Walsh et al.	379	98	
115	4,833,706	5/23/89	Hughes-Hartogs	379	98	
116	4,756,007	7/5/88	Qureshi et al.	375	37	
117	4,731,816	3/15/88	Hughes-Hartogs	379	98	
118	4,208,630	6/17/80	Martinez	375	7	
119	3,622,877	11/23/71	MacDavid et al.	324	73 R	
120	5,839,053	11/17/98	Bosch et al.	455	13.1	
121	5,068,875	11/26/91	Quintin	375	78	
122	5,058,134	10/15/91	Chevillat et al.	375	39	
123	5,038,365	8/6/91	Belloc et al.	375	8	
124	4,967,413	10/30/90	Otani	371	37.4	
125	5,311,578	5/10/94	Bremer et al.	379	97	
126	5,317,594	5/31/94	Goldstein	375	8	
127	5,926,506	7/20/99	Berthold et al.	375	222	
128	5,491,720	2/13/96	Davis et al.	375	222	
129	5,353,280	10/4/94	Ungerböck	370	32.1	
130	5,852,631	12/22/98	Scott	375	222	
131	5,732,104	3/24/98	Brown et al.	375	222	
132	5,796,808	8/18/98	Scott et al.	379	93.31	

**EXAMINER  
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<i>Ph</i> ↑	133	5,751,796	5/12/98	Scott et al.	379	93.31	
	134	5,187,732	2/16/93	Suzuki	379	5	
	135	5,640,387	6/17/97	Takahashi et al.	370	359	
	136	5,751,717	5/12/98	Babu et al.	370	466	
	137	5,784,377	7/21/98	Baydar et al.	370	463	
	138	5,887,027	3/23/99	Cohen et al.	375	222	
	139	5,850,388	12/15/98	Anderson et al.	370	252	
	140	5,914,982	6/22/99	Bjarnason et al.	375	222	
	141	5,726,765	3/10/98	Yoshida et al.	358	412	
	142	5,850,421	12/15/98	Misra et al.	375	354	
	143	5,729,226	3/17/98	Betts et al.	341	94	
	144	5,862,184	1/19/99	Goldstein et al.	375	295	
	145	5,911,115	6/8/99	Nair et al.	455	63	
	146	5,838,724	11/17/98	Cole et al.	375	222	
	147	5,784,415	7/21/98	Chevillat et al.	375	341	
	148	5,844,940	12/1/98	Goodson et al.	375	222	
	149	5,386,438	1/31/95	England	375	121	
	150	5,881,102	3/9/99	Samson	375	222	
	151	5,285,474	2/8/94	Chow et al.	375	13	
	152	5,513,216	4/30/96	Gadot et al.	375	233	
	153	5,835,532	11/10/98	Stolle et al.	375	233	
	154	5,418,842	5/23/95	Cooper	379	98	

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation Yes   No
<i>Ph</i> ↑	155	WO 98/37657	8/27/98	PCT	H04L		
	156	WO 96/18261	6/13/96	PCT	H04M	11/00	
	157	0 669 740 A2	12/14/94	Europe	H04L	27/00	
	158	0 659 007 A2	11/8/94	Europe	H04M	11/06	
	159	0 473 116 A2	8/27/91	Europe	H04N	1/00	
	160	2-345-019	3-19/76	France	H04L	27/10	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

161	Erup, et al., <i>Interpolation in Digital Modems - Part II: Implementation and Performance</i> , IEEE Transactions on Communications, Vol. 41, No. 6, pp. 998-1008 (June 1993)
162	Fischer, <i>Signal Mapping for PCM Modems</i> , V-pcm Rapporteur Meeting, Sunriver, Oregon, USA, , 5 pgs. (September 4-12, 1997)
163	Gardner, <i>Interpolation in Digital Modems - Part I: Fundamentals</i> , IEEE Transactions on Communications, Vol. 41, No. 3, pp. 501-507 (March 1993)
164	Humboldt, et al., <i>The Information Driveway</i> , IEEE Communications Magazine, pp. 64-68 (December 1996)
165	Kalé et al., <i>The Capacity of PCM Voiceband Channels</i> , IEEE International Conference on Communications '93, pp. 507-511 (Geneva, Switzerland, May 23-26, 1993)
166	Müller et al., <i>Timing Recovery in Digital Synchronous Data Receiver</i> , IEEE Transactions on Communications, Vol. Com-24, No. 5, pp. 516-531 (May 1976)

EXAMINER  
\*EXAMINER*Pawley Burner*

DATE CONSIDERED

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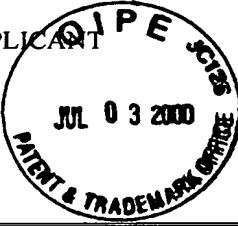
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<b>LIST OF DOCUMENTS CITED BY APPLICANT</b> (Use several sheets if necessary)			Applicant: Hwang, et al.  Filing Date : October 29, 1999	
				
	167	Okubo et al., <i>Building Block Design of Large Capacity PCM-TDMA Subscriber System and Direct Digital Interface to Digital Exchange</i> , Japan Radio Co., Ltd., pp. 69-73 (Japan)		
	168	Pahlavan et al., <i>Nonlinear Quantization and the Design of Coded and Uncoded Signal Constellations</i> , <u>IEEE Transactions on Communications</u> , Vol. 39, No. 8, pp. 1207-1215 (August 1991)		
	169	Proakis, <i>Digital Signaling Over a Channel with Intersymbol Interference</i> , <u>Digital Communications</u> , pgs. 373, 381 (McGraw-Hill Book Company, 1983)		
	170	Williams et al., <i>Counteracting the Quantisation Noise from PCM Codecs</i> , BT Laboratories, pp. 24-29 (UK)		
	171	<u>A Digital Modem and Analogue Modem Pair for Use on the Public Switched Telephone Network (PSTN) at Data Signalling Rates of Up to 56 000 Bit/s Downstream and 33 600 Bit/s Upstream</u> , <u>ITU-T V.90</u> (September 1998)		
	172	<u>Series V: Data Communication Over the Telephone Network; Interfaces and voiceband modems; A modem operating at data signalling rates of up to 33 600 bit/s for use on the general switched telephone network and on leased point-to-point 2-wire telephone type circuits</u> , <u>ITU-T V.34</u> (10/96)		
	173	Bell, R.A., et al., <i>Automatic Speed Reduction and Switched Network Back-up</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 32, No. 1, pp. 154-157 (June 1989)		
	174	Abbiate, J.C., et al., <i>Variable-Data Transmission Modem</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 17, No. 11, pp. 3301-3302 (April 1975)		
	175	<u>Data Communication Over the Telephone Network; Procedures for Starting Sessions of Data Transmission Over the General Switched Telephone Network</u> , <u>ITU-T V.8</u> (09/94)		
	176	<u>Line Quality Monitoring Method</u> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 18, No. 8, pp. 2726-2726 (January 1976)		
	177	<u>Loopback Tests for V.54 Data Communication Equipment</u> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 32, No. 3A, pp. 295-299 (August 1989)		
	178	<u>On-Line Real Time Modem Testing</u> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 20, No. 6, pp. 2252-2254 (November 1977)		
	179	Pierobon, Gianfranco L., <i>Codes of Zero Spectral Density at Zero Frequency</i> , <u>IEEE Transactions on Information Theory</u> , Vol. IT-30, No. 2, pp. 435-439 (March, 1984)		
	180	Marcus, Brian H., et al., <i>On Codes with Spectral Nulls at Rational Submultiples of the Symbol Frequency</i> , <u>IEEE Transactions on Information Theory</u> , Vol. IT-33, No. 4, pp. 557-568 (July 1987)		
	181	Fischer, Robert, et al., <i>Signal Mapping for PCM Modems</i> , <u>ITU-Telecommunications Standardization Sector PCM '97-120, V.pcm Rapporteur Meeting</u> , (Sunriver, Oregon; September 4-12, 1997)		
	182	<u>Pulse Code Modulation (PCM) of Voice Frequencies</u> , <u>ITU-T</u> , Recommendation G.711 (Geneva, 1972)		
	183	<u>Series G: Digital Transmission Systems; Terminal equipments – Coding of analogue signals by pulse code modulation; Pulse code modulation (PCM) of voice frequencies</u> , <u>ITU-T</u> , Recommendation G.711 (Geneva, 1996)		
	184	<u>Data Communication Over the Telephone Network; Error-Correcting Procedures for DCEs Using Asynchronous-to-Synchronous Conversion</u> , <u>ITU-T V.42</u> (03/93)		
	185	<u>Improvement to Spectral Shaping Technique</u> , <u>Research Disclosure</u> , V. 41, n415,415111, pp. 1550-1551 (November 1998)		
	186	<u>TIA Standard Draft: North American Telephone Network Transmission Model for Evaluating Analog Client to Digitally Connected Server Modems</u> , Telecommunications Industry Association, PN3857, Draft 10 (February 1999)		
	187	Davis, Gordon T., <i>DSP and MATLAB implementation of model-based constellation generation</i> (September 18, 1998)		
	188	Woodruff, K.R., et al., <i>Automatic and Adaptive System and Efficient Communication in Noisy Communication Line Environments</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 24, No. 9, pp. 4627-4629 (February 1982)		

EXAMINER

\*EXAMINER

DATE CONSIDERED

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		Filing Date : October 29, 1999	Group 2731
<p style="text-align: center;"><i>JUL 03 2000</i>  </p>			
	189	Godard, D., et al., <i>Decision Feedback Equalizer Stabilization in Adaptive Mode</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 24, No. 11A, pp. 5691-5692 (April 1982)	
	190	Borgnis-Desbordes, P., et al., <i>Variable-Speed Data Transmission</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 27, No. 4A, pp. 2269-2270 (September 1984)	
	191	Couland, G., et al., <i>Analog Wrap Self-Test in Modems During Retrain Operations</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 28, No. 6, pg. 2457 (November 1985)	
	192	Maddens, F., <i>Sixteen-State Forward Convolutional Encoder</i> , <u>IBM Technical Disclosure Bulletin</u> , vol. 28, No. 6, pp. 2466-2468 (November 1985)	
	193	<i>Remote Modem-Type Self-Learning</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 28, No. 6, pp. 2398-2399 (November 1985)	
	194	Maddens, F., <i>Sixteen-State Feedback Convolutional Encoder</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 28, No. 10, pp. 4212-4213 (March 1986)	
	195	Bell, R. A., et al., <i>Automatic Speed Reduction and Switched Network Back-up</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 32, No. 1, pp. 154-157 (June 1989)	
	196	Nobakht, R.A., <i>Trellis-Coded Modulation Coding Scheme for a 19/2 Kbps Modem</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 36, No. 11, pp. 167-170 (November 1993)	
	197	Nobakht, R.A., <i>Unified Table Based Subset Decoder for the Viterbi Algorithm</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 37, No. 09, pp. 581-587 (September 1994)	
	198	Nobakht, R.A., <i>Trellis Subset Decoder Algorithm Based on a Pattern Recognition Scheme</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 37, No. 10, pp. 693-697 (October 1994)	
	199	Abbate, J.C., et al., <i>Variable-Data Transmission Modem</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 17, No. 11, pp. 3301-3302 (April 1975)	
	200	Barlet, J., et al., <i>Full Speed Recovery in High Speed Modems</i> , <u>IBM Technical Disclosure Bulletin</u> , Vol. 23, No. 2, pp. 641-643 (July 1980)	
	201	Dialog Abstract, <i>Sample rate converter for duplex modem</i> , European Patent No. 285413	
	202	Dialog Abstract, <i>Two-speed full-duplex modem for telephone network</i> , PCT No. WO 8501407	
	203	Dialog Abstract, <i>Digital data transmission system</i> , European Patent No. 124674	
	204	Dialog Abstract, <i>Facsimile communication controller</i> , Japanese Publication No. 04-175060 (June 23, 1992)	
	205	Dialog Abstract, <i>Picture communication equipment</i> , Japanese Publication No. 03-120954 (May 23, 1991)	
	206	Dialog Abstract, <i>Radio date transmission system</i> , Japanese Publication No. 01-179535 (July 17, 1989)	
	207	Dialog Abstract, <i>Facsimile device</i> , Japanese Publication No. 57-164654 (October 9, 1982)	
	208	Dialog Abstract, <i>Data repeater</i> , Japanese Publication No. 57-087255 (May 31, 1982)	
	209	Dialog Abstract, <i>Blinding training method for decision feedback equaliser having feed-forward and feedback filters</i> , European Patent No. 880253	
	210	Dialog Abstract, <i>Processing method for distorted signal received by qam receiver</i> , European Patent No. 465851	
	211	Dialog Abstract, <i>Establishing wireless communication channel</i> , PCT No. WO 9905820	
	212	Dialog Abstract, <i>High-speed rate adaptive subscriber line digital data modem</i> , PCT No. WO 9830001	
	213	Dialog Abstract, <i>Digital modem in digital modulation system</i> , Japanese Patent No. 8116341	
	214	Dialog Abstract, <i>Communication equipment and radio communication adapter</i> , Japanese Publication No. 08-340289 (December 24, 1996)	
	215	Dialog Abstract, <i>Data recording method</i> , Japanese Publication No. 05-089597 (April 9, 1993)	
	216	Dialog Abstract, <i>Transmission control system for data communication and its modem equipment</i> , Japanese Publication No. 02-228853 (September 11, 1990)	

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DATE CONSIDERED

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<p style="text-align: center;"><i>Q P E</i> JUL 03 2000 PATENT &amp; TRADEMARK OFFICE</p>				
	217	Naguib, A.F., et al., Dialog Abstract, <i>A space-time coding modem for high-data-rate wireless communications</i> , <u>IEEE Journal of Selected Areas in Communications</u> , Vol. 16, No. 8, pp. 1459-78 (October 1998)		
	218	Denno, S., et al., Dialog Abstract, <i>Mbit/s burst modem with an adaptive equalizer for TDMA mobile radio communications</i> , <u>IEICE Transactions on Communications</u> , Vol. E81-B, No. 7, pp. 1453-61 (July 1998)		
	219	Naguib, A.F., et al., Dialog Abstract, <i>A space-time coding modem for high-data-rate wireless communications</i> , <u>GLOBECOM 97, IEEE Global Telecommunications Conference</u> , Vol. 1, pp. 102-9 (1997)		
	220	Kobayashi, K., et al., Dialog Abstract, <i>Fully digital burst modem for satellite multimedia communication systems</i> , <u>IEICE Transactions on Communications</u> , vol. E80-B, No. 1, pp. 8-15 (January 1997)		
	221	Skellern, D.J., et al., Dialog Abstract, <i>A high speed wireless LAN</i> , <u>IEEE Micro</u> , Vol 17, No. 1, pp. 40-47 (January-February 1997)		
	222	Enomoto, K., et al., Dialog Abstract, <i>A mode switching type burst demodulator AFC</i> , <u>Transactions of the Institute of Electronics, Information and Communication Engineers</u> , Vol. J76B-II, No. 5, pp. 415-21 (May 1993)		
	223	Betts, W., Dialog Abstract, <i>Nonlinear encoding by surface projection</i> , <u>International Conference on Data Transmission – Advances in Modem and ISDN Technology and Applications</u> (September 23-25, 1992)		
	224	Schilling, D.L., et al., Dialog Abstract, <i>The FAVR meteor burst communication experiment</i> , <u>Military Communications in a Changing World MILCOM '91</u> (November 4-7, 1991)		
	225	Jacobsmeier, J.M., Dialog Abstract, <i>Adaptive trellis-coded modulation for bandlimited meteor burst channels</i> , <u>IEEE Journal on Selected Areas in Communications</u> , Vol. 10, No. 3, pp. 550-61 (April 1992)		
	226	Sato, T., et al., Dialog Abstract, <i>Protocol configuration and verification of an adaptive error control scheme over analog cellular networks</i> , <u>IEEE Transactions on Vehicular Technology</u> , Vol. 41, No. 1, pp. 69-76 (February 1992)		
	227	Lee, L.-N., et al., Dialog Abstract, <i>Digital signal processor-based programmable BPSK/QPSK/offset-QPSK modems</i> , <u>COMSAT Technical Review</u> , pp. 195-234 (Fall 1989)		
	228	Sato, T., et al., Dialog Abstract, <i>Error-free high-speed data modem</i> , <u>Oki Technical Review</u> , Vol. 56, No. 133, pp. 20-26 (April 1989)		
	229	Seo, J.-S., et al., Dialog Abstract, <i>Performance of convolutional coded SQAM in hardlimited satellite channels</i> , <u>IEEE International Conference on Communications BOSTONICC/89</u> , Vol. 2, pp. 787-91 (June 11-14, 1989)		
	230	Murakama, K., et al., Dialog Abstract, <i>FEC combined burst-modem for business satellite communications use</i> , <u>IEEE/IECE Global Telecommunications Conference 1987</u> , Vol. 1, pp. 274-80 (Japan, November 15-18, 1987)		
	231	McVerry, F., Dialog Abstract, <i>Performance of a fast carrier recovery scheme for burst-format DQPSK transmission over satellite channels</i> , <u>International Conference on Digital Processing of Signals in Communications</u> , pp. 165-72 (United Kingdom, 1985)		
	232	Filter, J.H.J., Dialog Abstract, <i>An algorithm for detecting loss of synchronisation in data transmission test sets (modems)</i> , <u>Transactions of the South African Institute of Electrical Engineers</u> , Vol. 76, No. 1, pp. 39-43 (January 1985)		
	233	Gershko, A., Dialog Abstract, <i>Reduced complexity implementation of passband adaptive equalizers</i> , <u>IEEE Journal on Selected Areas in Communications</u> , Vol. SAC-2, No. 5, pp. 778-9 (September 1984)		
	234	Dialog Abstract, <i>High-speed full-duplex modem reduces telephone connect time</i> , <u>EDN</u> , Vol. 27, No. 18, pg. 77 (September 15, 1982)		

EXAMINER  
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	235	Chadwick, H., et al., Dialog Abstract, <i>Performance of a TDMA burst modem through a dual nonlinear satellite channel</i> , Fifth International Conference on Digital Satellite Communications, pp. 63-7 (Italy, March 23-26, 1981)		
	236	Nussbaumer, H., Dialog Abstract, <i>Reducing the acquisition time in an automatic equalizer</i> , IBM Technical Disclosure Bulletin, Vol. 18, No. 5, pp. 1465-79 (October 1975)		
	237	Uzunoglu, V., et al., Dialog Abstract, <i>Synchronous and the coherent phase-locked synchronous oscillators: new techniques in synchronization and tracking</i> , IEEE Transactions on Circuits and Systems, Vol. 36, No. 7, pp. 997-1004 (July 1989)		
	238	Minei, I., et al., Dialog Abstract, <i>High-speed Internet access through unidirectional geostationary satellite channels</i> , IEEE Journal on Selected Areas in Communications, Vol. 17, No. 2, pp. 345-59 (February 1999)		
	239	Ovadia, S., Dialog Abstract, <i>The effect of interleaver depth and QAM channel frequency offset on the performance of multichannel AM-VSB/256-QAM video lightwave transmission systems</i> , International Conference on Telecommunications: Bridging East and West Through Communications, Vol. 1, pp. 339-43 (Greece, June 21-25, 1998)		
	240	Johnson, R.W., et al., Dialog Abstract, <i>Error correction coding for serial-tone HG transmission</i> , Seventh International Conference on HF Radio Systems and Techniques, pp. 80-84 (United Kingdom, July 7-10, 1997)		
	241	Karasawa, Y., et al., Dialog Abstract, <i>Cycle slip in clock recovery on frequency-selective fading channels</i> , IEEE Transactions on Communications, Vol. 45, No. 3, pp. 376-83 (March 1997)		
	242	Umehira, M., et al., Dialog Abstract, <i>Design and performance of burst carrier recovery using a phase compensated filter</i> , Transactions of the Institute of Electronics, Information and Communication Engineers, Vol. J78B-II, No. 12, pp. 735-46 (December 1995)		
	243	De Bot, P., et al., Dialog Abstract, <i>An example of a multi-resolution digital terrestrial TV modem</i> , Proceedings of ICC '93 - IEEE International Conference on Communications, Vol. 3, pp. 1785-90 (Switzerland, May 23-26, 1993)		
	244	Lei, Chen, et al., Dialog Abstract, <i>Single-tone HF high speed data modem</i> , Proceedings of TENCON '93 - IEEE Region 10 International Conference on Computers, Communications and Automation, Vol. 3, pp. 94-98 (China, October 19-21, 1993)		
	245	Woerner, B.D., et al., Dialog Abstract, <i>Simulation issues for future wireless modems</i> , IEEE Communications, Vol. 32, No. 7, pp. 42-53 (July 1994)		
	246	Sato, T., et al., Dialog Abstract, <i>Vehicle terminal equipment with dedicated DSP</i> , Oki Technical Review, Vol. 58, No. 144, pp. 49-52 (July 1992)		
	247	Sato, T., et al., Dialog Abstract, <i>Protocol configuration and verification of an adaptive error control scheme over analog cellular networks</i> , IEEE Transactions on Vehicular Technology, Vol. 41, No. 1, pp. 69-76 (February 1992)		
	248	Tamm, Yu.A., Dialog Abstract, <i>The effect of suppressing harmonic interference using an adaptive equalizer</i> , Elektrosvyaz, Vol. 45, No. 3, pp. 5-10 (March 1990)		
	249	Saleh, A.A.M., et al., Dialog Abstract, <i>An experimental TDMA indoor radio communications system using slow frequency hopping and coding</i> , IEEE Transactions on Communications, Vol. 39, No. 1, pp. 152-62 (January, 1991)		
	250	Nergis, A., Dialog Abstract, <i>Optimum HF digital communication systems with block coding and interleaving techniques</i> , Proceedings of the 1990 Bilkent International Conference on New Trends in Communication, Control and Signal Processing, Vol. 1, pp. 511-17 (Turkey, July 2-5, 1990)		
	251	Kawamura, F., et al., Dialog Abstract, <i>An evaluation of voice codecs and facsimiles</i> , Review of the Communications Research Laboratory, Vol. 36, pp. 69-73 (March 1990)		

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<a href="http://w3.infogate.ibm.com:1207/SESS506884/GETDOC/39/2/1">http://w3.infogate.ibm.com:1207/SESS506884/GETDOC/39/2/1</a> (July, 1975)</td></tr> </table>					252	Sato, T., et al., Dialog Abstract, <i>Error-free high-speed data transmission protocol simultaneously applicable to both wire and mobile radio channels</i> , <u>38th IEEE Vehicular Technology Conference: 'Telecommunications Freedom – Technology on the Move'</u> , pp. 489-96 (June 15-17, 1988)	253	Dialog Abstract, <i>1200-bit/s cellular modem DLD03H</i> , <u>Oki Technical Review, Vol. 53, No. 127</u> , pp. 70-72 (July 1987)	254	Chamberlin, J.W., et al., Dialog Abstract, <i>Design and field test of a 256-QAM DIV modem</i> , <u>IEEE Journal on Selected Areas in Communications, Vol. SAC-5, No. 3</u> , pp. 349-56 (April 1987)	255	De Cristofaro, R., et al., Dialog Abstract, <i>A 120 Bv/s QPSK modem designed for the INTELSAT TDMA network</i> , <u>International Journal of Satellite Communications, Vol. 3, Nos. 1-2</u> , pp. 145-60 (January/June, 1985)	256	Shumate, A., Dialog Abstract, <i>Error correction coding for channels subject to occasional losses of bit count integrity</i> , <u>IEEE Military Communications Conference, Vol. 1</u> , pp. 89-83 (October 21-24, 1984)	257	Suyderhoud, H., et al., Dialog Abstract, <i>Investigation of 9.6 kb/s data transmission via a PCM link at 64 kb/s with and without link errors</i> , <u>International Journal of Satellite Communications, Vol. 2, No. 1</u> , pp. 81-87 (January-March, 1984)	258	Smith, C., Dialog Abstract, <i>Relating the performance of speech processors to the bit error rate</i> , <u>Speech Technology, Vol. 2, No. 1</u> , pp. 41-53 (September-October 1983)	259	Suyderhoud, H., et al., Dialog Abstract, <i>Investigation of 9.6 kbit/s data transmission via a PCM link at 64 kbit/s with and without link errors</i> , <u>Sixth International Conference on Digital Satellite Communications Proceedings</u> , pp. 26-33 (September 19, 23, 1983)	260	Kittel, L., Dialog Abstract, <i>Analogue and discrete channel models for signal transmission in mobile radio</i> , <u>Frequenz, Vol. 36, Nos. 4-5</u> , pp. 153-60 (April-May 1982)	261	Farrell, P.G., et al., Dialog Abstract, <i>Soft-decision error control of h.f. data transmission</i> , <u>IEE Proceedings F (Communications, Radar and Signal Processing), Vol. 127, No. 5</u> , pp. 389-400 (October 1980)	262	Johnson, A.L., Dialog Abstract, <i>Simulation and implementation of a modulation system for overcoming ionospheric scintillation fading</i> , <u>AGARD Conference Proceedings No. 173 on Radio Systems and the Ionosphere</u> , pp. 3/1-5 (Greece, May 26-30, 1975)	263	Matsumura, K., et al., Dialog Abstract, <i>Anti-interference data-transmission set of HF radio equipment</i> , <u>Mitsubishi Electric Engineer, No. 41</u> , pp. 18-23 (September, 1974)	264	Blank, H.A., et al., Dialog Abstract, <i>A Markov error channel model</i> , <u>1973 National Telecommunications Conference, Vol. 1</u> , pp. 15B/1-8 (November 26-28, 1973)	265	McGruther, W.G., Dialog Abstract, <i>Long term error performance data for operation at 2400 bps on a nonswitched private line network</i> , <u>Summaries of papers presented at 1970 Canadian symposium on communications</u> , pp. 65-6 (Canada, November 12-13, 1970)	266	Burton, H.O., et al., Dialog Abstract, <i>On the use of error statistics from data transmission on telephone facilities to estimate performance of forward-error-correction</i> , <u>1970 international conference on communications</u> , p. 21 (June 8-10, 1970)	267	Bowen, R.R., Dialog Abstract, <i>Application of burst error correction codes to data modems for dispersive channels</i> , <u>Proceedings of the 1970 international symposium on information theory</u> , p. 1 (Netherlands, June 15-19, 1970)	268	Pierce, A.W., et al., Dialog Abstract, <i>Effective application of forward-acting error-control coding to multichannel h.f. data modems</i> , <u>IEEE Transactions on Communication Technology, Vol. Com-18, No. 4</u> , pp. 281-94 (August 1970)	269	West, R.L., Abstract, <i>Data Concentration Method</i> , <u>IBM Technical Disclosure Bulletin</u> , pp. 487-489; <a href="http://w3.infogate.ibm.com:1207/SESS506884/GETDOC/39/2/1">http://w3.infogate.ibm.com:1207/SESS506884/GETDOC/39/2/1</a> (July, 1975)
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	273	Dialog Abstract, <i>Reduced time remote access method for modem computer</i> , PCT No. WO 9209165		



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